FIG.1 RELATED ART

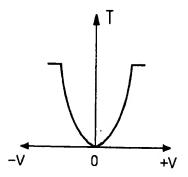
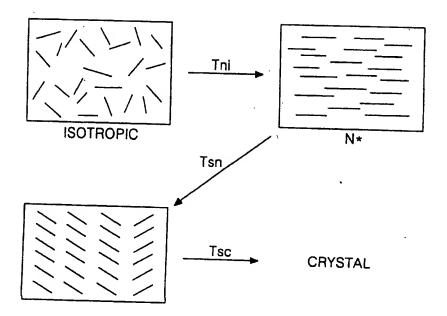


FIG.2 RELATED ART



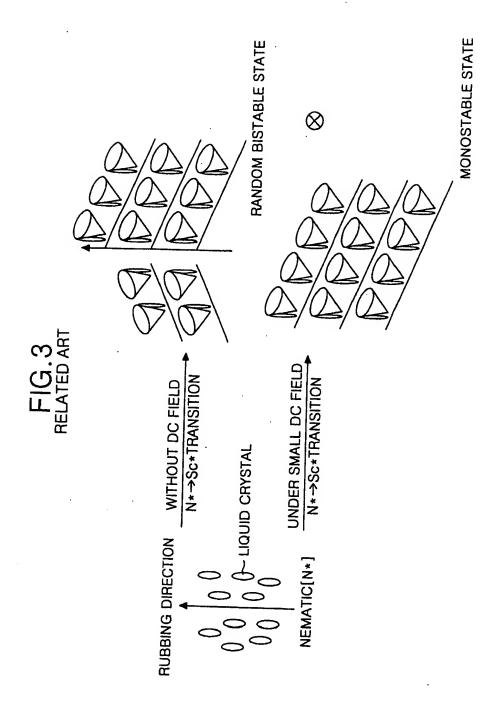


FIG.4A RELATED ART

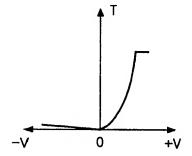


FIG.4B RELATED ART

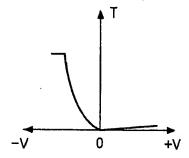
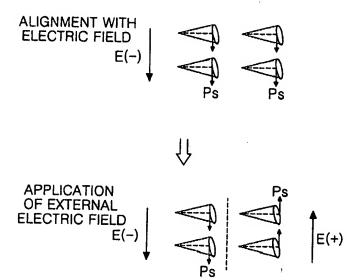


FIG.5 RELATED ART



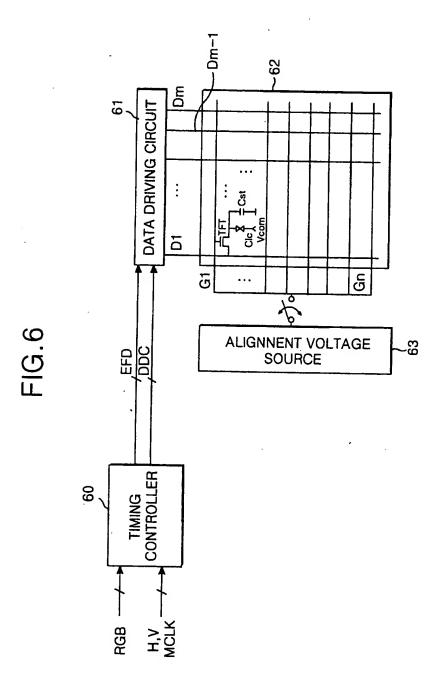


FIG.7

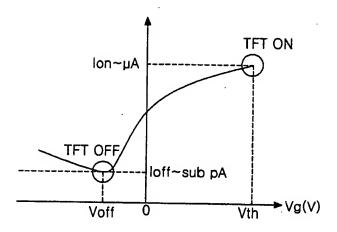
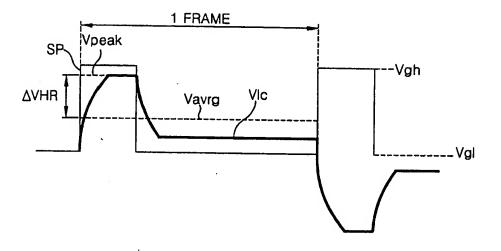


FIG.8



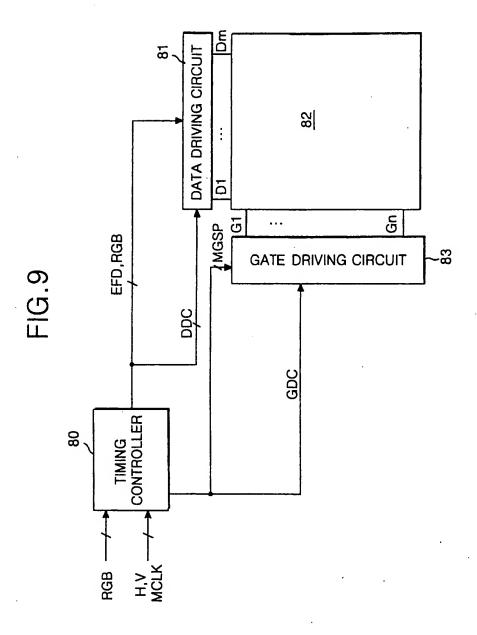


FIG.10

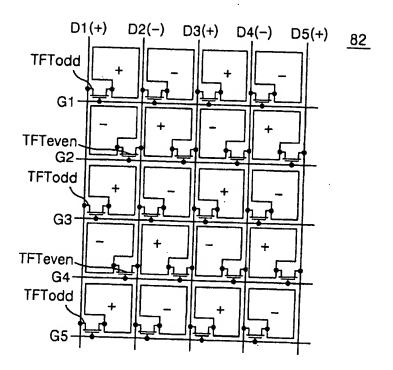
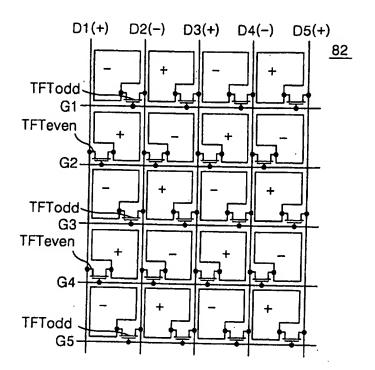
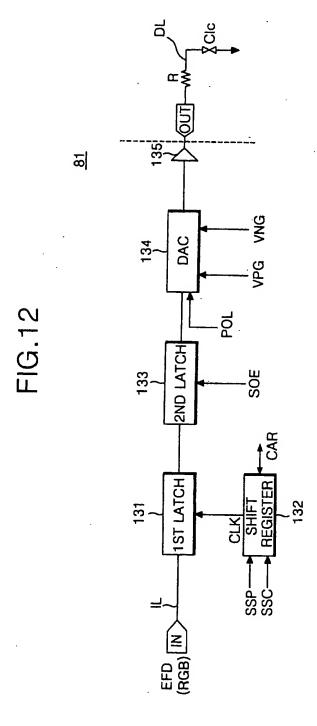


FIG.11





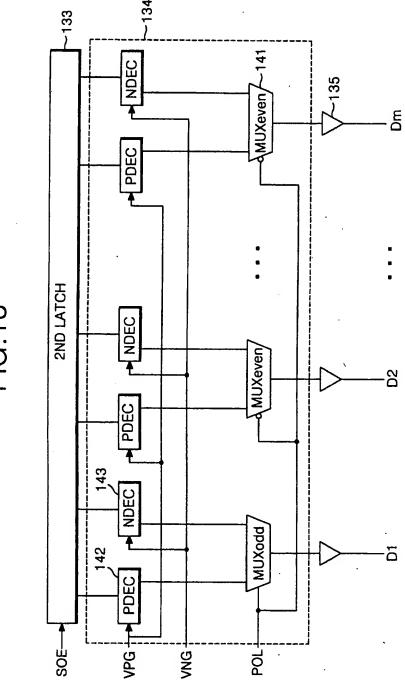


FIG.13

FIG.14

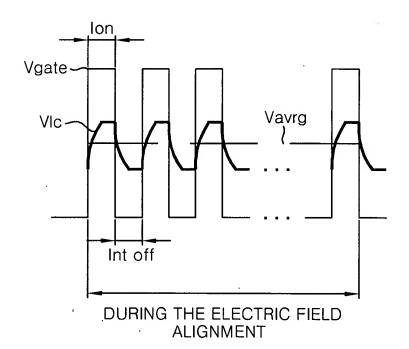
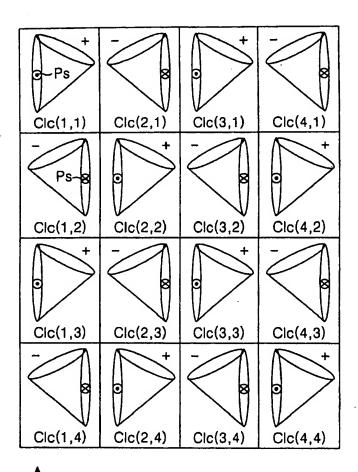
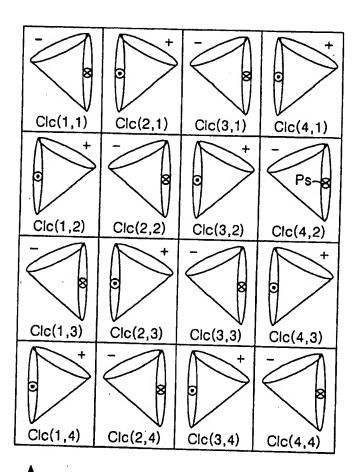


FIG.15



**RUBBING DIRECTION** 

FIG.16



RUBBING DIRECTION

FIG.17

